

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	48	("3734876"   "4164068"   "4505997"   "4654279"   "4737422"   "4792504"   "4794059"   "4808496"   "4830939"   "4911995"   "4960655"   "4970012"   "4990413"   "5006431"   "5019467"   "5030527"   "5047300"   "5057385"   "5100746"   "5102752"   "5196484"   "5238759"   "5281682"   "5296318"   "5360684"   "5415948"   "5423110"   "5516339"   "5521023"   "5522028"   "5552239"   "5631103"   "5639573"   "5695873"   "5705084"   "5834137"   "6001509"   "6007935"   "6030421"   "6060185"   "6159638"   "6187062"). PN. OR ("6664006").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/13 12:58
S3	34	S2 and electrolyt\$2 with (liquid or aqueous)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/13 12:58
S8	2	(6280873 20040126655). pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/13 13:21
S9	19	EP-379372-\$.DID. OR EP- 390557-\$.DID. OR EP- 411693-\$.DID. OR EP- 741426-\$.DID. OR EP- 766329-\$.DID. OR EP- 893836-\$.DID. OR EP- 986122-\$.DID. OR GB- 2326269-\$.DID. OR JP- 07082450-\$.DID. OR WO- 9927593-\$.DID.	FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/08/13 13:30
S10	438	separator with polymer\$3 same (polyethylene terphtalate or PET or polyimide or PI or polyamide or amide or imide) and (electrode or (anode and cathode))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/13 13:32
S11	77	S10 and (bipolar or bi near1 polar)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/13 13:32

S12	42	S11 and separator same (conduct\$3 or carbon or graphite or metal\$3) with (particle or powder)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/13 13:33
S13	16	S12 and separator same ((polyaniline or aniline or poly near1 aniline) or (polypyrrole or poly near1 pyrrole) or (polythiophene or poly near1 thiophene) or (polyacetylene or poly near1 acetylene) or (polyparaphenylene or poly near1 paraphenylene) or (poly near2 phenylene near2 vinylene) or (polyacrylonitrile or PAN or poly near1 acrylonitrile) or (polyoxadiazole or poly near1 oxadiazole))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/13 13:37
S15	13	S13 and electrolyte same (liquid)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/13 13:38
S17	3	(3734876 4164068 4505997).pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/13 13:56
S24	103	("20010005558"   "20010005562"   "20010007726"   "20020015278"   "20020036282"   "20020048706"   "20020071990"   "20020071991"   "20020074972"   "20020192137"   "20020195591"   "20030003352"   "20030008212"   "20030049529"   "20030054250"   "20030082446"   "20030099884"   "20040005265"   "20040018429"   "20040018430"   "20040151887"   "20040185343"   "20040265692"   "20050026037"   "20050034993"   "3765943"   "3864167"   "4245016"   "4555454"   "4599114"   "4615784"   "4668596"   "4758483"   "4889777"   "5100747"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/29 12:04

		"5187209"   "5213895"   "5227267"   "5294504"   "5399447"   "5436093"   "5441830"   "5464707"   "5478676"   "5518833"   "5520850"   "5527641"   "5554459"   "5567754"   "5578396"   "5587253"   "5588971"   "5589297"   "5591544"   "5624605"   "5654115"   "5677080"   "5698342"   "5705291"   "5714053"   "5733683"   "5759714"   "5789100"   "5821033"   "5827615"   "5834136"   "5840087"   "5897522"   "5902689"   "5910382"   "5925283"   "6063519"   "6069221"   "6096453"   "6096454"   "6117593"   "6120940"   "6136476"   "6159389"   "6174623"   "6231779"   "6280875"   "6291097"   "6300016"   "6306540"   "6322924"   "6337156"   "6342317"   "6395429"   "6403263"   "6410189"   "6413284"   "6413285"   "6495283"   "6528033"   "6599662"   "6645675"   "6753111"   "6764525"   "6797435"   "6800399"   "6818356"   "6878487"). PN. OR ("7387851").URPN.				
S25	9	S24 and (bipolar or bi near1 polar)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/29 12:04
S31	233	(bipolar or bi near1 polar) near2 (plate or layer) same ((polyethylene or PTFE) or polyimide or imide or polyamide or amide)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/29 12:11
S32	211	S31 and (plate or layer) same (conduct\$5) same (powder or particle or grain or additive or carbon or metal\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/29 12:12
S33	175	S31 and (plate or layer) same (conduct\$5) with (powder or particle or grain or additive or carbon or metal\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/29 12:12

S34	157	S31 and (plate or layer) with (conduct\$5) with (powder or particle or grain or additive or carbon or metal\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/29 12:12
S35	33	S34 and electrolyte with (liquid or aqueous)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/29 12:12
S36	23	S35 and (battery or electrochemical near1 cell)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/29 12:13
S37	24	("3332804"   "3853624"   "4078125"   "4356101"   "4605604"   "4792505"   "4804598"   "Re25913"). PN. OR ("5200281").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/29 12:15
S38	11	S37 and (bipolar or bi near1 polar)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/29 12:18
S42	508	(bipolar or bi near1 polar) near2 (plate or layer) same composite and (plate or layer) same (conduct\$5) with (powder or particle or grain or additive or carbon or metal\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/29 12:37
S43	275	S42 and (battery or electrochemical cell)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/29 12:38
S44	193	S43 and (plate or layer) same composite same (conduct\$5) with (powder or particle or grain or additive or carbon or metal \$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/29 12:39
S45	64	S44 and (liquid or aqueous) with electrolyte	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/29 12:39
S55	32	collector and (polyimide or imide or terephthalate or PTFE or polyamide or amide) and (powder or grain or particle or additive) with (carbon or metal\$3)	JPO	ADJ	ON	2009/08/29 13:04
S56	18	S55 and (battery or electrochemical cell)	JPO	ADJ	ON	2009/08/29 13:04
S57	18	(bipolar or bi near1 polar) and polymer\$2 and collect? r	JPO	ADJ	ON	2009/09/02 05:58
S61	27	(bipolar or bi near1 polar) near1 (plate or board) and (liquid or aqueous)	JPO	ADJ	ON	2009/09/02 06:26
S62	9	S61 and (battery or electrochemical near1 cell)	JPO	ADJ	ON	2009/09/02 06:26

S64	5	(bipolar or bi near1 polar) and (polymer\$2 or liquid or aqueous) and collect?r	FPRS; EPO	ADJ	ON	2009/09/02 06:47
S65	295	(bipolar or bi near1 polar) and (polymer\$2 or liquid or aqueous) and collect?r	DERWENT	ADJ	ON	2009/09/02 06:49
S66	132	S65 and (battery or electrochemical near1 cell)	DERWENT	ADJ	ON	2009/09/02 06:49
S67	15	S66 and (polyethylene terephthalate or "PET" or polyimide or imide or polyamide or amide)	DERWENT	ADJ	ON	2009/09/02 06:50
S69	21	(bipolar or bi near1 polar) near1 (plate or board) and (liquid or aqueous)	FPRS; EPO	ADJ	ON	2009/09/02 07:04
S70	195	(bipolar or bi near1 polar) near1 (plate or board) and (liquid or aqueous)	DERWENT	ADJ	ON	2009/09/02 07:10
S71	58	S70 and (battery or electrochemical near1 cell)	DERWENT	ADJ	ON	2009/09/02 07:10
S72	6	US-5656390-\$.did. or US-5582937-\$.did. or US-6103413-\$.did.	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	ON	2009/09/02 08:40
S73	30	(battery or electrochemical near1 cell) and ((bipolar or bi near1 polar) near1 (plate or board)) same (polyethylene terephthalate or "PET" or polyimide or imide or polyamide or amide)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/02 08:54
S74	29	S73 and (carbon or graphit \$2)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/02 08:55
S75	20	(bipolar or bi near1 polar) same (plate or layer) same ((polyethylene terephthalate or "PET" or polyimide or imide or polyamide or amide)) same ((aniline or polyaniline or poly near1 aniline) or (thiophene or polythiophene or poly near1 thiophene) or (acetylene or polyacetylene or poly near1 acetylene) or (paraphenylene or para near1 phenylene or polyparaphenylene or poly near1 paraphenylene) or (vinylene near1 phenylene) or (acrylonitrile or PAN or polyacrylonitrile or poly	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/02 09:12

		near1 acrylonitrile) or (oxadiazole or polyoxadiazole or poly near1 oxadiazole))				
S79	17	("20020102455"   "4086401"   "5225296"   "5348824"   "5362581"   "5449576"   "5536278"   "5582931"   "5688293"   "5691047"   "5705259"   "5778515"   "5981107"   "6024773"   "6136471"   "6287720"   "6413675"). PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/02 09:55
S82	58	(bipolar or bi near1 polar near1 (electrode or unit or cell)) and ((polyethylene terephthalate or "PET" or polyimide or imide or polyamide or amide)) same ((aniline or polyaniline or poly near1 aniline) or (thiophene or polythiophene or poly near1 thiophene) or (acetylene or polyacetylene or poly near1 acetylene) or (paraphenylene or para near1 phenylene or polyparaphenylene or poly near1 paraphenylene) or (vinylene near1 phenylene) or (acrylonitrile or PAN or polyacrylonitrile or poly near1 acrylonitrile) or (oxadiazole or polyoxadiazole or poly near1 oxadiazole))	DERWENT	ADJ	ON	2009/09/02 11:49
S84	42	("3734876"   "4164068"   "4505997"   "4583285"   "4654279"   "4737422"   "4792504"   "4794059"   "4808496"   "4830939"   "4911995"   "4960655"   "4970012"   "4990413"   "5006431"   "5019467"   "5030527"   "5047300"   "5057385"   "5100746"   "5102752"   "5196484"   "5238759"   "5281682"   "5296318"   "5360684"   "5415948"   "5423110"   "5516339"   "5521023"   "5521028"   "5552239"   "5631103"   "5639573"   "5695873"   "5705084"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/02 12:29

	"5741609"   "5910378"   "6001509"   "6007935"   "6030421"   "6159638"). PN.					
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**9/ 9/ 2009 9:58:36 AM**

**H:\ My BackUp\ Examiner Docs - Active & Archived\ Examined Cases\ 10574038.bipolar  
electrode batteries\ rce1\ 574038, east\_rce1\_090813(t2).wsp**